# Instituto Técnico Ricaldone Salesianos 2021 Tercer año de Bachillerato



# Actividad 1. Matemáticas.

Sección: A4

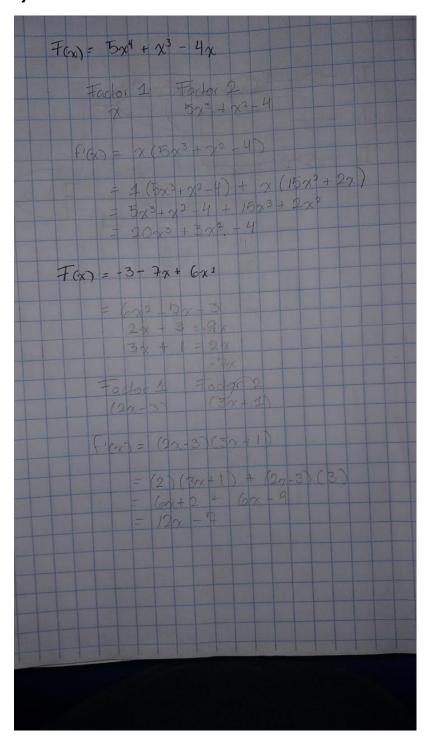
## Integrantes:

- Fabio Lehilud Estrada Zuniga Software
- Denzel José Hernández Funes ECA
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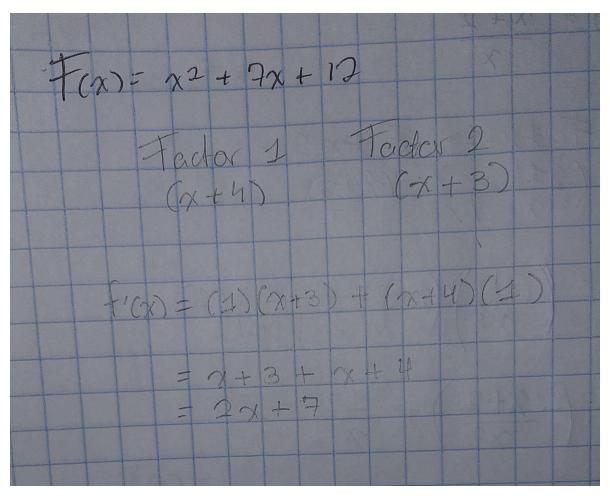
#### **Docente:**

- Elsy Cartagena de Teshé

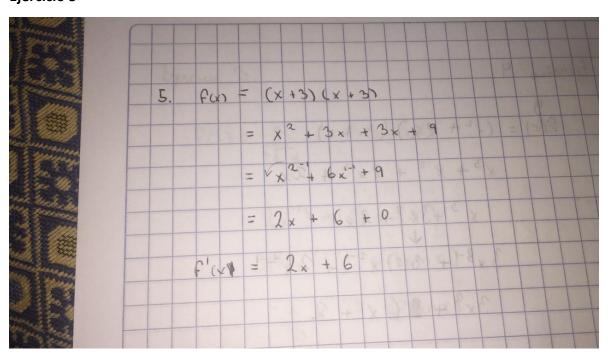
Fecha: lunes 5 de julio de 2021

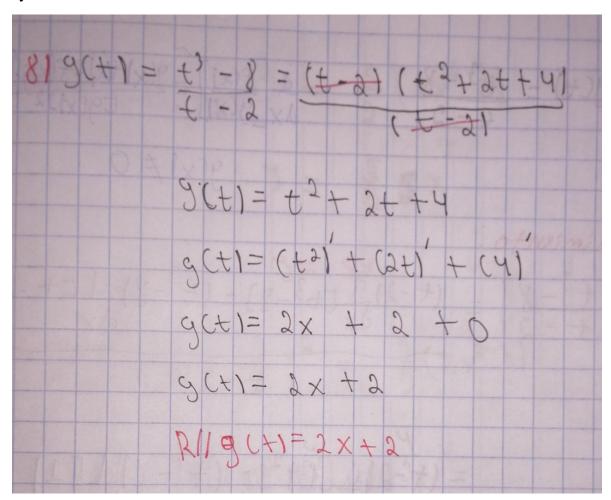


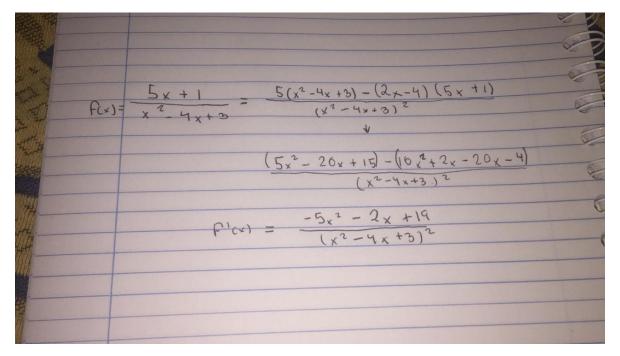
F(x) = x + 2 Factor 1 Foctor 2  $\frac{1}{\chi}$   $(\chi+2)$  $f'(x) = \left(-\frac{1}{x^2}\right)(x+2) + \left(\frac{1}{x}\right)(1)$ f'(x)= (+1x+2)+"1/2) f'(x)=(-(x)+0)+x + -x-2+x F(0) = - 3  $f(x) = \frac{5x + 5}{x^3}$ Factor 4 Factor 2 = = 3 x == f(x)= (3) (5x+5)+ (\$1 (5) = -15x + 15 + 5 = (-15x + 15) + (5x) = -10x - 15 = -10x + 15



Ejercicio 5







38. (f.h)	$f(x) = \chi^2 + 5\chi - 3$ $h(x) = \frac{2}{\chi - 4}$
$(e \cdot h)' = (x$	2+5x-3) (2 1) x 1
$=2x^{2}+$	
	0) (x-4) - (2x2+10x-6)(4) (x-4)2
	16x + 10x - 40 - 202 - 10x + 6
	$\frac{16x-34}{x-14)^2}$

Eprolão 42 pag. 172	
$f(x) = x^2 + 5x - 3$ $g(x) = 4x^3 - 2x^2 - 6x + 4$	
	0
$(F = 9) = (4x^3 - 2x^2 - 8x + 9)(2x + 5) - (x^2 - 5x - 3)(12x^2 - 9)$	x-0)
$(4x^{3}-2x^{2}-8x+4)^{2}$	
0 4 . 15 3 21 2 22 . 20	
8 x4 + 16x3 - 26x2 - 32x + 20	+
6)	
-12×4 -64×3 +24×2 +52× -24 V	
- 20x - 64x 401x 4 30x - 64	
Proceso	
G)	
8x4-4x3+20x3-26x2-20x2+8x-40x+20	
6)	
- (12x4 + 60x3 + 4x3 - 36x2 + 20x2 - 8x2 - 12x - 40x + 24)	
(F = g) = -4x4 - 80x3 - 2x2 + 20x - 4	
(4x3-2x2-8x+4)2	
$R = (F = 9)' = -4 \times 4 - 80 \times 3 - 2 \times 2 + 20 \times -4$	
$(4x^3 - 2x^2 - 8x + 4)^2$	
Line Control of the C	